

Recombinant *S. solfataricus* SSOP1_RS12265 protein

SPECIFICATION

Cat.No.	SSOP1_RS12265-1530S
Species	<i>Sulfolobus solfataricus</i>
Product Name	Recombinant <i>S. solfataricus</i> SSOP1_RS12265 protein
Product Overview	Recombinant DNA Polymerase 4 of <i>Sulfolobus solfataricus</i> was expressed in <i>E. coli</i> .
Description	Dpo4 is DNA polymerase 4 of the thermophilic archaea <i>Sulfolobus solfataricus</i> . It is a DinB or human Polk homologue. As a member of the Y family DNA polymerases, Dpo4 is able to perform translesion synthesis and is a low fidelity DNA polymerase in copying undamaged DNA. Dpo4 is active at high temperatures.
Source	<i>E. coli</i>
Molecular Mass	42 kDa
Synonyms	SSOP1_RS12265; DNA Polymerase 4
UniProt ID	Q97W02
Usage	Reaction Buffer: 25 mM potassium phosphate (pH 7.0), 5 mM MgCl ₂ , 5 mM DTT, 100 µg/ml BSA, 10% glycerol, 50-100 µM dNTPs. Dilution Buffer: 25 mM Tris-HCl (pH 7.5), 2.5 mM β-mercaptoethanol, 50% glycerol.
Gene Name	SSOP1_RS12265 DNA polymerase IV [<i>Sulfolobus solfataricus</i>]
Official Symbol	SSOP1_RS12265
Gene ID	27428748
Protein Refseq	WP_009993137.1